



DR. W. E. SWINTON
One of Four Centennial Professors
for January (See page 2)

JANUARY 1967

STAFF

bulletin

UNIVERSITY OF TORONTO



Centennial Professors for January: Bullard, Edel, Hartz, Swinton

Four Centennial Professors, Sir Edward Bullard of Cambridge, Dr. W. E. Swinton, former director of the Royal Ontario Museum, Prof. Leon Edel of New York University, and Prof. Louis Hartz of Harvard, will deliver public lectures and conduct seminars on the campus during the month of January.

Sir Edward Bullard, who will be here until the end of March, will lecture in Geodesy and Geophysics, and will hold seminars for staff and students. Details will be announced in *The Varsity*, on the University notice boards, and by other means.

Beginning about the second week in January, Dr. Swinton's program will include a study of the dinosaurs in depth consisting of nine illustrated lectures followed by seminars, and a second series on The Effect of Environment on Scientific Progress—the emergence of science from its natural historic background. Details will be announced.

Professor Leon Edel will deliver two public lectures in West Hall, University College. The subject of the first lecture, on Friday, January 13 at 4.00 p.m., will be *The Province and the World: Hawthorne and Henry James*; of the second, on Friday, January 20 at the same time, Henry James: *The Legend Americano-European*. In addition Prof. Edel will hold two seminars for invited staff and students. The first of these, on Tuesday, January 17, will be on *Theory of Literary Biography: The Example of Henry James*; the second, January 24, on *Aspects of American Fiction*.

Dr. Hartz will give two public lectures on Canadian History in Comparative Perspective, both in the Concert Hall of the Edward Johnson Building. The first will be on Wednesday, January 11 at 4.00 p.m.; the second (for the convenience of alumni) at 8.00 p.m. on Wednesday, January 18. In addition Dr. Hartz will conduct five seminars for invited staff and student members of the departments of history, political economy, sociology, and English, as well as one staff seminar on the subject of his lectures. Topics of four in the first group are: *Ideology in Canadian Politics*; *The Political Theory of Liberty*; *Consequences of Migration in History*; and *the American Progressive Movement*. The fifth topic will be announced.

Sir Edward Bullard, Fellow of Churchill College and head of the department of geodesy and geophysics in Cambridge University, is a member of the National Environmental Research Council of Great Britain and holds a permanent visiting chair at the Scripps Oceanographic Institute, La Jolla, California. After nine years as a research fellow of the Royal Society, he was appointed experimental officer at the Admiralty on the outbreak of the second war. There he was responsible for the development of the de-gaussing process which reduced the exposure of ships to damage by magnetic mines. At the time of the Normandy invasion he became director of naval operational research. After the war, Toronto had him for a time as head of the department of physics, but he returned to England to become director of the National Physical Research Laboratory. An entertaining speaker, he has a large following among B.B.C. audiences.

Dr. William E. Swinton came to the Royal Ontario Museum as head of the life sciences

division in 1961 and was appointed director two years later. He had been on the curatorial staff of the natural history division of the British Museum for many years, rising to principal scientific officer. He is an expert in the history of science and one of the world's best known authorities on dinosaurs. Author of *The Dinosaurs*, fifteen other books, and more than 200 articles and papers, he is an accomplished lecturer.

Leon Edel, Henry James Professor of English and American Letters at New York University, delivered the Alexander Lectures of 1956, later published in book form as *Literary Biography*. He explains that these lectures sprang from a feeling that it was time to bring biography into mid-century focus, and in the process to fill an obvious gap by developing the theory of this difficult art. His own bent is the biographies of men and women who were themselves writers. A graduate of McGill and D. ès L. of the Sorbonne, Dr. Edel worked for Agence Havas and Canadian Press in pre-war years,

and has taught at Harvard, Princeton, Indiana, and the University of Hawaii. In 1963 he won the Pulitzer Prize for biography with the second and third volumes of his projected 4-volume *Life of Henry James*.

Dr. Louis Hartz is Professor of Government and a member of the Faculty of Public Administration at Harvard University. He has been called "the Frederick Jackson Turner of the mid-century". It was Turner (another Harvard man) who, in the early

nineties, named the receding frontier as the essential factor in the development of American society. What has replaced it, now the frontier has gone? The Hartz theory is that you can explain the development of American history and the peculiarities of American character by a pervasive liberal thesis. How far does this apply to Canada in "comparative perspective"? Professor Hartz will be back again in July; perhaps he will pursue the subject further then.

The Poculi Ludique Societas

The *Poculi Ludique Societas* is a group of graduate students interested in producing medieval and Tudor plays. The P.L.S. was formed in Professor Leyerle's seminar last year and performed the Wakefield *Second Play of the Shepherds* (late 14th century) and *Gammer Gurton's Needle* (about 1553). The season this year began with *Mankynde* (after 1466) and will culminate with *Rafe Roister Doister* (after 1534) to be performed in Great Hall, Hart House, at the annual

banquet of the Medieval Academy on April 7. The plays are put on in the original language and the staging usually employs a central playing place with the audience seated around it. Stage sets are simple, but costumes are as lavish as can be made by busy students on a small budget. The original small company has expanded and now includes students from the English Department, the Centre for Drama and the Centre for Medieval Studies.

Victoria College Public Lectures

- Jan. 17: *Patterns in Coleridge's Criticism*
Prof. J. R. de J. Jackson, Department of English.
- Jan. 24: *Undoing the Doing Puzzles*
Prof. J. A. Graff, Department of Ethics.
- Jan. 31: *Bilingualism and Biculturalism: French and English Before Canada*
Prof. H. R. Secor, Department of French.
- Feb. 7: *Erasmus on Sacred and Profane Scriptures*
(The Erasmus Lecture).
Prof. Craig Thompson, Haverford College, U.S.A.

Lecture Room, New Academic Building
Victoria College 4.30 p.m.

Prof. Jackson, who is now editing Coleridge's *Logic*, deals with the criticism of a poet who is of special interest to friends of Victoria and its Library; Prof. Graff explores some of the problems related to the notion of a human action; Prof. Secor explores the relations of French and English before they became Canadian languages. Prof. Craig Thompson, a world famous authority on and translator of Erasmus, continues the series of annual Erasmus lectures.

JANUARY EVENTS

3 TUESDAY

- Meeting Academy of Medicine Stated Meeting. "The Evaluation of Hearing in Children Suspected of Deafness". Dr. Hollie E. McHugh, Otolaryngologist-in-Chief, Royal Victoria Hospital; McGill University. Osler Hall. 8.30 p.m. Dinner at Faculty Club. 6.30 p.m.

4 WEDNESDAY

- Tour Ten-to-One Tour, "ROM Treasures". ROM main rotunda. 12.50 to 1.20 p.m.

5 THURSDAY

- Cancellation The poetry reading by Dr. Earle Birney announced on posters distributed throughout the University will not take place.
- Seminar Institute for Aerospace Studies. "Dynamic Buckling of Circular Cylindrical Shells". Dr. J. Hutchinson, Division of Engineering and Applied Physics, Harvard University. Main Lecture Room. 2 p.m.
- Music Faculty of Music Special Events Series. The Borodin String Quartet. Concert Hall, Edward Johnson Building. 8.30 p.m.

7 SATURDAY

- Lecture Royal Canadian Institute. "Outstanding Scientific Achievements in Canada, 1867-1967". Dr. David A. Keys, formerly scientific adviser to the president of Atomic Energy of Canada Ltd. Convocation Hall. 8.15 p.m.

8 SUNDAY

- Films "The Hutterites"; "Circus Elbow"; "The Snowline is Their Boundary". ROM Theatre. 2 p.m. Free.
- Music Ten Centuries Concert. Concert Hall, Edward Johnson Building. 8.55 p.m.

10 TUESDAY

- Films Department of French, U.C. "Tracaux et œuvres de Marc Chagall"; and "Haute Lisse (Manufacture Nationale des Gobelins)". Room 104, U.C. 1.15 p.m. Repeated Wednesday.
- Poetry Reading Hart House Poetry Reading. b p Nichol will read his own works and Alan Toff will read W. B. Yeats. Art Gallery. 1.15 p.m. Ladies welcome.
- Seminar Department of Zoology. "Motivations and Implications of Space Exploration". Dr. N. J. B. Wiggins, Chief Superintendent, Defense Research Medical Laboratory, Toronto. Room 432, Ramsay Wright Zoological Laboratories. 4.30 p.m.

11 WEDNESDAY

Lecture	First of two public lectures on "Canadian History in Comparative Perspective" by Prof. Louis Hartz, Harvard University. Concert Hall, Edward Johnson Building. 4 p.m.
Tour	Ten-to-One Tour, "Chinese Arts". ROM main rotunda. 12.50 p.m.
Seminar	Department of Geology. "Some Problems of Basalt Petrogenesis". Dr. H. S. Yoder Jr., Geophysical Laboratory, Washington. Time and place to be announced.
Athletics	Basketball. McMaster at Varsity. 8.30 p.m. Intramural basketball. 7 p.m. Intramural water polo. 7.30 p.m. Exhibition boxing. 8 p.m. All at Hart House.

12 THURSDAY

Lecture	Faculty of Music Thursday Afternoon Series. "The Symphony Orchestra—Progress or Decay?" Prof. Ezra Schabas. Concert Hall, Edward Johnson Building. 2 p.m.
Seminar	Institute for Aerospace Studies. "Solid Shock Tubes". Dr. R. E. Duff, Lawrence Radiation Laboratory, University of California. Main Lecture Room. 2 p.m.

13 FRIDAY

Lecture	"The Province and the World: Hawthorne and Henry James". Prof. Leon Edel, New York University. West Hall, U.C. 4 p.m.
Chess	Eastern Intercollegiate Chess Championship Tournament. Chess Room, Hart House, Jan. 13, 14, and 15.
Athletics	Hockey. Queen's at Varsity. Varsity Arena. 8 p.m.

14 SATURDAY

Lecture	Royal Canadian Institute. "The Attitude of Prince Edward Island to Confederation, 1863-1873". Rev. Dr. Francis W. P. Bolger, Professor of History, St. Dunstan's University, Charlottetown. Convocation Hall. 8.15 p.m.
Lecture-Recital	Royal Conservatory of Music. "Exploring Music", a series of monthly lecture-recitals for students aged 10-15. "Keyboard Instruments". Clifford McAree. Concert Hall, 273 Bloor St. West. 3 to 4 p.m.
Athletics	Fencing. Western at Varsity. Hart House. 1 p.m. Swimming and Wrestling. Guelph at Varsity. Hart House. 2 p.m.

15 SUNDAY

Music	Faculty of Music Stage Band, presented by the Music Committee of Hart House. Great Hall. 8.30 p.m. Ladies may be invited by members.
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17 TUESDAY

- Lecture First in Victoria College Public Lecture Series. "Patterns in Coleridge's Criticism". Prof. J. R. de J. Jackson. Lecture Room, New Academic Building. 4.30 p.m.
- Seminar Department of Zoology. "Fine Structure and Function of Nematode Muscles". Dr. Kenneth Wright. Room 432, Ramsay Wright Zoological Laboratories. 4.30 p.m.
- Film Department of French, U.C. "Live and Learn French TV Series: Proust and Gide". Room 104, U.C. 1.15 p.m. Repeated Wednesday.
- Poetry Reading Hart House Poetry Reading. J. S. Cunningham will read his own works, and Joel and Sallie Kaplan will read works by Richard Eberhart and Sylvia Plath. Art Gallery. 1.15 p.m. Ladies welcome.

18 WEDNESDAY

- Lectures Second public lecture on "Canadian History in Comparative Perspective" by Prof. Louis Hartz, Harvard University. Concert Hall, Edward Johnson Building. 8 p.m.
- Centre for Medieval Studies and Department of Classics, U.C. "An Introduction to Medieval Latin", Part II, a series of lectures by P. G. Walsh, University of Edinburgh, and Visiting Professor of Latin, U.C. "Alcuin and the Carolingian Renaissance". Room 122, U.C. 4 p.m.
- Tours Ten-to-One Tours. "Canadiana" at the Sigmund Samuel Canadiana Building, 14 Queen's Park Crescent West. "Birds in Trouble", ROM main rotunda. Both tours begin at 12.50 p.m.

20 FRIDAY

- Lecture "Henry James: The Legend Americano-European". Prof. Leon Edel, New York University. West Hall, U.C. 4 p.m.
- Supper Faculty Club Lobster Buffet Supper. 5.30 to 8.30 p.m.
- Theatre Marlowe's "Edward II". A Hart House Theatre production directed by Leon Major. Jan. 20 to 28 inc. 8.30 p.m.
- Music Royal Conservatory of Music Opera School. Two one-act Operas: "The Impresario" by Mozart, and "Le Portrait de Manon" by Massenet. MacMillan Theatre, Edward Johnson Building. Time to be announced. Admission by ticket only. Free.
- Athletics P & HE Alumni Night.
- Basketball. Rochester Tech at Varsity. Hart House. 8.30 p.m.
- Hockey. McGill at Varsity. Varsity Arena. 8.30 p.m.

21 SATURDAY

- Lecture Royal Canadian Institute. "The MacKenzie Delta Area, Western Arctic". Dr. J. Rose MacKay, Professor of Geography, University of British Columbia. Convocation Hall. 8.15 p.m.
- Gymnastics and Fencing. R.M.C. at Varsity. 1 p.m.
- Wrestling. Waterloo at Varsity. 2 p.m. All in Hart House.

22 SUNDAY

- Films "Mountain Gorilla"; "New York, New York"; "People Might Laugh at Us"; and "Pan". ROM Theatre. 2 p.m.
- Service Vespers Service in Massey College Chapel. 5 p.m. Music: "Great and Marvellous" by T. Tomkins, and "O Lord Thou hast searched me out" by A. Batten.
- Music Hart House Sunday Evening Concert. Maureen Forrester. Great Hall. 8.30 p.m. Ladies may be invited by members. Tickets available from Hall Porter.

23 MONDAY

- Conference Centre for Industrial Relations. "Wages, Prices, Profits and Economic Policy". January 23, 24, and 25. To be held at the Park Plaza Hotel. Featured speakers will be The Hon. Mitchell Sharp, Minister of Finance; Dr. John Deutsch, Chairman of the Economic Council of Canada; Dr. Arthur M. Ross, Commissioner of Labor Statistics, U.S. Government; David McQueen, Economic Council of Canada; and Prof. G. L. Reuber, Head of the Department of Economics, University of Western Ontario. Faculty members and students interested in attending should contact the Secretary of the Centre.
- Lecture School of Graduate Studies, Department of Physiology. "Interweaving of the Information Derived from Isotope Experiments with Other Physiological Knowledge". Dr. Robert Steele, Brookhaven National Laboratory, Associated Universities Inc. Conference Room, 417 C. H. Best Institute. 4 p.m.

24 TUESDAY

- Lecture Victoria College Public Lecture Series. "Undoing the Doing Puzzles". Prof. J. A. Graff. Lecture Room, New Academic Building. 4.30 p.m.
- Seminars Department of Zoology. "Studies on Physiological Genetics of Bacteriophage Lambda". Dr. Louis Siminovitch. Room 432, Ramsay Wright Zoological Laboratories. 4.30 p.m.
- School of Graduate Studies, Department of Physiology. "Peripheral and Hepatic Insulin Resistance During a Growth Hormone Regimen in the Dog". Dr. Robert Steele, Brookhaven National Laboratory, Associated Universities Inc. Conference Room, 417 C. H. Best Institute. 11 a.m.
- Gallery Opening Royal Ontario Museum. "The Hall of Fossil Invertebrates". Public opening of a unique gallery that uses light, colour, sound and other special effects to help describe the evolutionary history of the lower animals.
- Film Department of French, U.C. "Molière, Le Misanthrope" (Joué par le Théâtre de France). Room 104, U.C. 1.15 p.m. Repeated Wednesday.
- Poetry Reading Hart House Poetry Reading. President Bissell will read, and Phyllis Gotlieb will read her own works. Ladies welcome.

25 WEDNESDAY

- Lectures Committee on the History and Philosophy of Science. "Science and Politics in the French Revolution". Charles C. Gillispie, Professor in the Program of History and Philosophy of Science, Princeton University. Room 102, Mechanical Building. 1.10 p.m.
- Centre for Medieval Studies and Department of Classics, U.C. "British Historiography: William of Malmesbury". P. G. Walsh. Room 122, U.C. 4 p.m.
- Seminar Department of Geology. "Relations between Ore and Silicate Phases in Parts of the Sudbury Basin". Dr. A. J. Naldrett, Geophysical Laboratory, Washington. Time and place to be announced.
- Tour Ten-to-One Tour. "English Furniture". ROM main rotunda. 12.50 p.m.
- Athletics Basketball. Waterloo at Varsity. Hart House. 8.30 p.m.

26 THURSDAY

- Seminar Institute for Aerospace Studies. "Surface Interaction Studies at General Atomic". Dr. H. Saltsburg, General Atomic Division of General Dynamics Corporation. Main Lecture Room. 2 p.m.
- Music Faculty of Music Thursday Afternoon Series. Faculty Ensembles. Concert Hall, Edward Johnson Building. 2 p.m.

28 SATURDAY

- Lecture Royal Canadian Institute. "One Hundred Years of Mapping in Canada". D. N. Kendall, President, Lockwood Survey Corporation Ltd., Toronto. Annual high school essay contest. Convocation Hall. 8.15 p.m.
- Athletics Basketball. Windsor at Varsity. 8.30 p.m.
Boxing. R.M.C. at Varsity. 8 p.m.
Fencing. McMaster at Varsity. 1 p.m. All in Hart House.

29 SUNDAY

- Music Hart House Orchestra Associates Concert conducted by Boyd Neel. Great Hall. 8.30 p.m.
- Open House Hart House Visitors' Sunday. 2 to 5 p.m. Tea from 3 to 4.30 p.m.

31 TUESDAY

- Lecture Victoria College Public Lecture Series. "Bilingualism and Biculturalism: French and English Before Canada". Prof. H. R. Secor. Lecture Room, New Academic Building. 4.30 p.m.
- Seminar Department of Zoology. "Man Under Water". Dr. E. H. Lamphier, Department of Physiology, State University of New York at Buffalo. Room 432, Ramsay Wright Zoological Laboratories. 4.30 p.m.
- Films Department of French, U.C. "Bernard Buffet" and "Pacific 231". Room 104, U.C. 1.15 p.m. Repeated Wednesday.
- Poetry Reading Hart House Poetry Reading. A. M. Leggatt will read works by John Donne and John McCuaig will read poems by Hopkins and Arnold. Art Gallery. 1.15 p.m. Ladies welcome.

Exhibitions

Galapagos Islands. A new diorama showing plant and animal life of the Galapagos Islands has been opened on the third floor, north wing of the ROM.

Stamps. Child welfare stamps of Switzerland from the Drake Collection of the Academy of Medicine in Toronto. Lower rotunda, Jan. 16 to Feb. 28.

"Photography in the Fine Arts IV". An exhibition of 124 prints. Among the photographers are three Canadians—Yousuf Karsh of Ottawa, W. Gillies Ross of Quebec, and Kryn Taconis of Toronto. Jan. 27 to Feb. 12, Exhibition Hall.

"Children's Art". Work by youngsters of the Saturday Morning Club. Until Jan. 15 in the lower rotunda.

"An Old Canadian Winter". About 50 paintings by such artists as Cornelius Krieghoff depict winter life in Canada 100 years ago. Sigmund Samuel Canadiana Building, 14 Queen's Park Cres. West, until Jan. 15.

Exhibition and sale of paintings by Patti Visser, associate graduate of the Ontario College of Art. Eighteen paintings in gouache (\$50 each) in the lobby and cafeteria of the Faculty of Dentistry, 124 Edward Street. Jan. 4 to Feb. 20.

Exhibition of the work of Charles Rennie Mackintosh (1868–1928), architect, painter, and designer of furnishings at the start of the Art Nouveau movement. Exhibition Hall, School of Architecture, 230 College Street. The last two weeks in January.

NOTES

Administration

E. M. DAVIDSON has been elected president of the Ontario Universities' Registrars' Association.

J. KENNETH BRADFORD was invited to the Tuskegee Institute, Alabama, Nov. 28–Dec. 1, as a consultant member of a team under a Ford Foundation grant administered by College Placement Services Inc., with the purpose of evaluating and recommending effective student services for that college.

Arts and Science

PROFS. J. D. FERNIE, J. F. HEARD, D. A. MACRAE, E. R. SEAQUIST, and S. VAN DEN BERGH attended a meeting of the National Committee for the International Astronomical Union on Oct. 21 and 22 in Penticton, B.C., where papers were presented by Prof. MacRae on "Small Scale Structure of the Radio Source IC 1795", by Prof. Seaquist on "Linear Polarization of Galactic Background at 707 MHz", and by Prof. van den Bergh on "A Study of Reflection Nebulae and Fossil HII Regions". Profs. Heard and MacRae also attended the Penticton meeting of the Advisory Committee of the Department of Energy Mines and Resources on Oct. 24.

PROF. S. VAN DEN BERGH gave a colloquium on "The Extragalactic Distance Scale" to the Centre for Space Science and Radio Astronomy at Cornell University on Nov. 17. He also visited the Mees Observatory of the University of Rochester.

PROF. R. C. ROEDER gave a talk on "Philosophical Aspects of Cosmology" at Peter Robinson College of Trent University on Nov. 14.

PROF. HELEN S. HOGG, as a member of the Committee on Education of the American Astronomical Society, attended its Nov. 25–26 meeting at the Hayden Planetarium, New York City.

D. CRAMPTON gave a talk on "Be Stars and Galactic Rotation" to the Department of Astronomy at University of Michigan on Dec. 9.

DR. MACRAE visited the University of British Columbia, the Dominion Astrophysical Observatory and the University of Victoria on behalf of the Rose Committee.

Recent visitors to the Department of Astronomy were: PROF. E. R. MUSTEL, U.S.S.R. Academy of Sciences; PROF. GEO. WALLERSTEIN, University of Washington; PROF. DAVID GRAY, University of Western Ontario; PROF. A. G. W. CAMERON, Yeshiva University; PROF. WM. M. IRVINE, University of Massachusetts.

PROF. J. E. GUILLET lectured on "Influence of Molecular Structure on Rheology of Polyethylene", at the C.I.C. Professional Development Course, Sarnia, Nov. 15, and on the "Photochemistry of Macromolecules" at the Polymer Corporation, Sarnia, Nov. 29. He was appointed general chairman of the International Union of Pure and Applied Chemistry for the Macromolecular Symposium to be held in Toronto, Sept. 1968.

PROF. A. G. HARRISON was invited to lecture to the Physical Chemistry Division

of the American Chemical Society, New York, Sept. 13. He gave the lecture on "Reactions of Thermal Energy Ions by Pulsed Source Mass Spectrometry". He also lectured at a seminar at the Department of Chemistry, University of Alberta, Dec. 5, on "Ion-Molecule Reactions at Thermal Ion Energies".

PROF. S. C. NYBURG gave a lecture on "How Small Molecules Pack" at the Pure Chemistry Division of the N.R.C., Ottawa, Nov. 24.

PROF. J. C. POLANYI gave a paper at the annual meeting of the Société de Chimie Physique in Paris, entitled "Cinetique de production des molécules dans des états excités", on June 1. He presented a paper on "Infrared Chemiluminescence" at the International Combustion Symposium held at the University of California on Aug. 15 and spoke on "Energy Distribution Among Reaction Products" to the American Chemical Society in Washington on Nov. 10.

PROF. P. YATES lectured on "Applications of Nuclear Magnetic Resonance Spectroscopy to Organic Chemistry" at the Research Laboratories of the Ciba Pharmaceutical Co., Summit, N.J., on Oct. 10 and at the Smith, Kline and French Laboratories, Philadelphia, on Dec. 5. He gave a lecture on "Recent Contributions to Organic Photochemistry" at the Merck, Sharp, and Dohme Research Laboratories, Rahway, N.J., on Nov. 11.

Colloquia have been given in the Department of Chemistry under the auspices of the School of Graduate Studies, by the following recent visitors: PROF. D. G. FARNUM, Michigan State University; PROF. T. NOZOE, Tohoku University, Sendai, Japan; DR. J. H. FUTRELL, Aerospace Re-

search Laboratories, Wright-Patterson Air Force Base, Ohio.

Other colloquia have been given in the Department by: DR. A. BROSSI, Research Director, Hoffman-La Roche Inc., Nutley, N.J.; DR. P. G. DICKENS, Oxford University; DR. D. A. HUTCHINSON, University of Victoria, British Columbia; and MR. J. P. LUONGO, Bell Telephone Laboratories, Murray Hill, N.J.

PROF. D. B. WATERHOUSE delivered a lecture at the Japanese Canadian Cultural Centre, Nov. 16 on "The National Music of Japan".

PROF. J. SPELT presented an invited paper on "Urban Development Problems in the Netherlands" at the symposium "Netherlands 1966" at the University of Waterloo on Dec. 2.

PROF. ANGUS GRAHAM, School of Oriental and African Studies, University of London, was invited by the Department of East Asian Studies to give a lecture on "The Problem of Hypostasization in Philosophy and Nominalization in Grammar, With Especial Reference to Chinese" Nov. 25, and seminar on "The Particles of Subordination and Co-ordination in Classical Chinese", Nov. 28.

PROF. ROBERT JAY GLICKMAN attended the Colloquium on Mexico and Canada, at York University, Oct. 27-28, and the "Conference on Computers in Humanistic Research", at Texas A. and M. University, Nov. 17-18.

PROFS. E. BIRNBAUM and R. M. SAVORY attended a meeting of the Governing Board of the American Research Institute in Turkey, held in New York on Nov. 29, as delegates of the University of Toronto.

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Parking on the St. George Campus

Five additional parking areas have been made available to members of the University staff entitled to park on the St. George Campus. These lots compensate for the loss of parking space brought about by construction work on the sites of the new Medical Sciences building and the McLaughlin Planetarium. The new parking areas are:

Spadina Crescent, north of Connaught Medical Research Laboratories Spadina di-

vision building. Entrance at north side from Spadina Avenue. Space for 55 cars, formerly used entirely by C.M.R.L. personnel.

120-126 St. George Street, between Harbour and Sussex. Entrance from west side of St. George. Space for 100 cars. Available until next spring at least.

123 St. George Street, south of Bloor. Entrance from east side of St. George. Space for 13 cars.

88 College Street (former church), at Elizabeth. Entrance from west side of Elizabeth at Grenville. Space for 12 cars.

92 College Street, east of Banting Institute. Entrance from College, between old house and No. 88, or from Grenville.

Frank J. Hastie, director of Physical Plant, is looking for still more parking space because of the anticipated imminent loss of two large lots now being used for University parking.

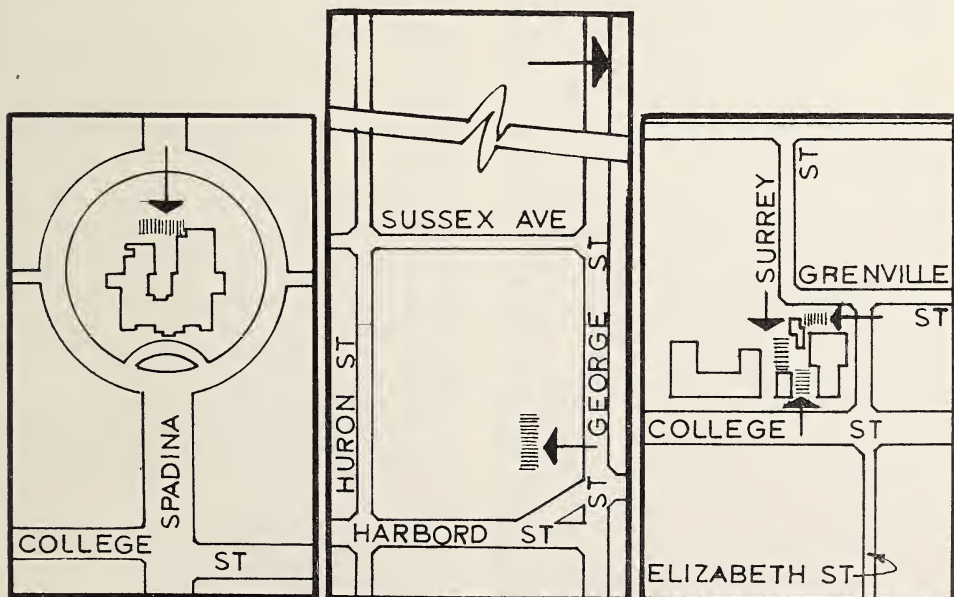
When the Province of Ontario proceeds with a building for the Alcoholism and Drug Addiction Research Foundation north of the Clarke Institute of Psychiatry, space for 110 cars between the Institute and Russell Street will be lost. Parking for 159 cars will disappear when work begins on the new wing of New College on the north side of Willcocks Street between Huron and Spadina. Work on these projects could begin at any time, indeed even before this issue of *Staff Bulletin* is in the hands of its readers.

When this happens, if Mr. Hastie's staff has not been able to find alternatives in time—and suitable land in the University district is scarce—the pressure for accommodation on existing parking lots will become acute. Those who just cannot find room on a University lot might keep in mind that there is a municipal parking area on College Street, between the Toronto Public Library and the School of Architecture, where the public

may park for an hourly fee. Parking on the public streets within the campus limits is limited in amount and restricted in time, and, of course, violators make themselves liable to fines.

In an effort to provide a broader distribution of the parking space available, no more reserved spaces will be allotted, except to applicants who can establish dire need. Parking rights on campus lots henceforth, except for such special cases, will be for unreserved spaces only. Those who have reserved spaces now will retain them, of course.

The University has long range plans for alleviating, if not solving, the parking problem, but has been unable to implement them because of circumstances beyond its control. These plans include provision for parking garages on the east side of Spadina Avenue. But nothing can be done about them until Metropolitan Toronto has indicated its intentions concerning the Spadina Expressway, the nature and location of which would affect the approaches to University garages. Consideration has also been given to underground garages on the east side of the campus, one with entrance from Queen's Park West, opposite the Ontario Legislative Building, and another with entrance just west of the Wellesley Street underpass. A number of problems, of which financing is not the least in importance, have held up implementation of this plan.



The location of and entrances to new parking areas.

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PROF. FAHIR İZ lectured at the Institute of Islamic Studies, McGill University, on "A Survey of Classical Turkish Literature" on Nov. 9.

The Eastern Regional Meeting of the Theoretical Physics Division of the Canadian Association of Physicists was held at the Department of Physics on Nov. 12. About fifty participants, mainly from Ontario and Quebec, discussed current work in theoretical physics. The guest speaker was PROF. P. MARTIN from Harvard University; he gave an invited lecture entitled "Superfluid Helium".

The Mathematics and Physics Society organized the second Undergraduate Physics Conference which was held this year at the University of Toronto from Oct. 28-30. 181 undergraduates and 31 scientists from all across Canada participated. Lectures were given by 14 students, 9 invited university staff members and 3 scientists from industry. Four tours, a banquet, and a panel discussion were also included in the program. The concluding lecture was given by SIR JOHN COCKCROFT.

PROF. H. M. JAMES from Purdue University, who is spending part of a sabbatical leave at Toronto, gave a seminar in the Department of Physics on Dec. 8 entitled "Orientational Order in Solid Orthohydrogen".

PROF. R. LIST gave a lecture on "New Developments in Hail Research" to the Toronto Chapter of the Canadian branch, Royal Meteorological Society, on Nov. 23.

PROF. J. D. POLL visited the Chalk River Nuclear Laboratories on Dec. 1 and gave a seminar on "Nonadiabatic Effects in the H_2 Molecule".

PROF. B. P. STOICHEFF gave invited papers on "Brillouin Scattering and Absorption and Dispersion of Hypersonic Waves in Liquids" at the annual meeting of the Optical Society of America Oct. 18-21 held in San Francisco, and at the Physics Department Colloquium of Pennsylvania State University Nov. 18.

PROF. J. VAN KRANENDONK visited the University of California at Santa Cruz on Dec. 5 and 6, and gave two lectures on "General Theory of Induced Absorption" and on "Relaxation in Anharmonic Crystals".

PROF. J. T. WILSON attended the 14th General Conference of UNESCO in Paris from Oct. 28 to Nov. 10 as a member of the Canadian delegation. This was the third General Conference he has attended, and on this occasion he was accompanied by

PROF. G. VOLKOFF of the Department of Physics, University of British Columbia. They were both concerned with the Natural Science program. En route to Paris, Prof. Wilson spoke at Williams College, at a joint meeting of the Geology Departments of Amherst, Smith and Mount Holyoke Colleges and the University of Massachusetts and at the Lamont Geological Observatory of Columbia University.

In the Department of Physics, seminars were recently given by the following visitors: DR. H. GOLDBERG, Cornell University; DR. S. BORENSTEIN, Johns Hopkins University; DR. I. B. McDIARMID, National Research Council, Ottawa; PROF. H. L. ANDERSON, University of Chicago; PROF. D. D. BETTS, University of Alberta; DR. HIN LEW, National Research Council, Ottawa; DR. W. J. HUISKAMP, University of Leiden and DR. P. B. PRICE, General Electric Company, Schenectady, New York.

PROF. D. E. BERLYNE acted as discussant at a session on "Contributions of Psychology to Pre-school Education" in a conference on "Pre-school Education" organized by the Ontario Institute for Studies in Education, on Nov. 17. He addressed a colloquium at the State College of Iowa, Cedar Falls, on "The Reinforcement of Verbal Learning" on Nov. 30, and on Dec. 1-2, participated in the 15th annual Nebraska Symposium on Motivation at the University of Nebraska, Lincoln, and gave a paper on "Arousal and Reinforcement".

PROF. B. B. MURDOCK addressed a colloquium on "Models of Short-Term Memory" at the State University of New York at Buffalo, Nov. 3, and another colloquium on the same topic at the Human Performance Center of the University of Michigan, Nov. 30.

PROF. E. TULVING gave a colloquium talk at the University of Connecticut, Nov. 16, under the title "On Coding Processes in Memory". He visited the Center for Research in Human Learning at the University of Minnesota, on Nov. 27 and 28, as a member of a Project Site Visit team, on behalf of the National Institute of Child Health and Human Development.

PROF. D. BIENKOWSKA attended the meetings of the Conference of the Polish Institute of Arts and Sciences in New York City, Nov. 25-27.

PROFS. H. E. BOWMAN and K. B. FEUER attended the meetings of the Modern Languages Association and of the American Association of Teachers of Slavic and East European Languages in New York City,

Dec. 27-29. Prof. Bowman serves this year as chairman of the Advisory and Nominating Committee of the Modern Languages Association Section on Slavic and Western Literary Relations.

At the annual meeting of the Entomological Society of Ontario on Nov. 2-4, PROF. C. E. ATWOOD was elected president of the Society for 1966-67.

PROF. C. S. CHURCHER attended meetings of the Society of Vertebrate Palaeontologists held at Berkeley, California, and on Nov. 18 presented a paper entitled "Glacial Fauna and Artifacts from Medicine Hat, Alberta".

University College

PROF. D. F. S. THOMSON delivered a lecture on "Erasmus as Scholar and Educator" at the University of Calgary on Nov. 17.

PROF. L. E. WOODBURY presented a paper entitled, "Equinox at Acragas: Pindar, 01. 2.61-62" at the annual meeting of the American Philological Association held in Toledo, Ohio, from Dec. 28 to 30. At the same meeting he was elected chairman of the Association's Committee on the Award of Merit. Prof. Woodbury presided at the annual meeting of the Society for Ancient Greek Philosophy, held in Toledo on Dec. 29.

W. A. CAMPS, who has been visiting associate professor of Classics during the fall term is a Fellow of Pembroke College, Cambridge. He has recently published a commentary on the whole of Propertius and is now writing a book on Virgil's *Aeneid*.

PROF. CÉCILE CLOUTIER gave two lectures on Nov. 21 to the Department of Modern Languages and Literatures of the State University of New York at Buffalo, on "Contemporary French-Canadian Literature and Its Reception in France" and "The Independent Generation or French-Canadian Separatism as Reflected in Literature".

PROF. V. E. GRAHAM gave a lecture on "Le Rôle de Desportes dans la poésie française" to the French Department at McGill University on Nov. 28.

PROF. MICHEL SANOUILLET attended the Seventh Conference on the Humanities in Columbus, Ohio, on Nov. 11 and 12.

PROF. H. MILNES participated in an international symposium at the University of Texas on "Formal Aspects of Medieval German Poetry", Nov. 28-30.

Victoria College

DR. H. N. FRYE gave a lecture at the University of Western Ontario on Nov. 2

on the "Critic and the Leisure Structure" as part of the Althouse Lecture Series. On Nov. 20 Dr. Frye was guest speaker at the official opening of the new Mimico Library. He addressed the National Council of Teachers of English in Houston, Texas, on Nov. 25, on the subject "Criticism and Society".

PROF. J. REVELL presented a paper entitled "The Relation of the Palestinian Vocalization of Hebrew to that of Ben Asher" to the Toronto Oriental Club at its meeting on Dec. 6.

PROF. F. E. SPARSHOTT addressed the Philosophy Colloquium of the University of Waterloo on "The Body/Mind Scandal" on Nov. 11.

Emmanuel College

PROF. W. O. FENNELL presented a paper on "Sources of Authority in the Church" at an Ecumenical Dialogue among clergy held in Buffalo, N.Y. on Nov. 18. He also attended the Biennial Conference of the Canadian Council of Churches held at Geneva Park, Nov. 22-25, as a delegate of the United Church of Canada.

PROF. JOHN WEBSTER GRANT attended a meeting of the Committee on Civil and Religious Liberty of the World Alliance of Reformed Churches at New York, Nov. 10.

PROF. C. D. JAY gave the R. P. Mackay Memorial Lectures in Nov. at the Faculty of Divinity, McGill University; Pine Hill Divinity Hall and Queen's Theological College. The title of the series is "World Mission and World Civilization".

Trinity College

PROF. G. M. A. GRUBE gave a lecture at Talbot College, University of Western Ontario, on "Ancient Critical Attitudes" on Dec. 6.

THE REV. PROF. EUGENE R. FAIRWEATHER has been appointed by the Archbishop of Canterbury to the Anglican-Roman Catholic Joint Preparatory Commission, set up as the result of the Archbishop's visit to Pope Paul VI in March, 1966. Prof. Fairweather will be attending the first meeting of the Commission at Gazzada, Italy, Jan. 9-13, 1967.

PROF. B. T. FITCH gave a paper on "L'évocation du réel dans *La Nausée* de Jean-Paul Sartre" at the Xth International Congress of the Fédération Internationale des Langues et Littératures Modernes held in Strasbourg, Aug. 29 to Sept. 3, and was invited to act as chairman of one of the sessions.

St. Michael's College

PROF. L. S. DEWART lectured at Boston University on Nov. 19 at a conference of the Massachusetts Council of Churches, on "The Ethics of Revolution". He participated in Communist-Christian dialogues organized by the John LaFarge Institute, New York, on Dec. 1; by the School of Divinity, Harvard University, on Dec. 2; and by the Department of Religion, Temple University, on Dec. 5.

PROF. R. J. SCHOECK attended the annual conference of editors and advisers of The Thomas More Project at Yale University, Dec. 2-3.

Wycliffe College

At a recent meeting of the Heads of Anglican Theological Colleges, held in Emmanuel College, Saskatoon, REV. DR. LESLIE HUNT was elected chairman of the Heads of Colleges for the Anglican Communion in Canada. Dr. Hunt has just returned from the meetings of the World Congress on Evangelism, held in Berlin from Oct. 24 to Nov. 4, where he was a delegate of the Anglican Church in Canada and participated by reading a paper. One thousand three hundred delegates from 103 countries were present at the Congress.

Massey College

DR. W. E. SWINTON has been elected a Senior Fellow of Massey College.

Medicine

DR. G. E. CONNELL acted as director of a training course on the use of the analytical ultracentrifuge in Mountainside, N.J. from Dec. 16-19.

DR. J. F. MANERY gave an address on "Ion Transport in Muscle and Associated Membrane Events" at the University of Ottawa, on Nov. 22.

DR. G. R. WILLIAMS gave two talks, both on the topic "Control Sites in the Citric Acid Cycle", to the Department of Chemistry, Case Institute of Technology, Cleveland, on Dec. 14, and to the Department of Biochemistry, State University of New York, Buffalo on Dec. 16.

DR. DOUGLAS WIGLE was an invited speaker at a panel entitled "Idiopathic Ventricular Hypertrophy: Obstructive or Non-Obstructive?" held on Oct. 21 in New York City at the 39th Annual Sessions of the American Heart Association.

At the same meeting DR. PIERRE AUGER and DR. E. D. WIGLE presented a paper

entitled "Sudden Severe Mitral Insufficiency".

Also at the meetings of the American Heart Association DR. YVES MARQUIS, DR. JOHN B. RICHARDSON, DR. ALEXANDER C. RITCHIE, and DR. E. D. WIGLE presented a paper entitled "Elastic Degenerative Aortopathy and Arteriopathy of Unknown Etiology".

DRS. AUGER and WIGLE presented a paper entitled "Insuffisance Mitrale Soudaine et Sévère" at the Congrès de l'Association des Médecine de Langue Française du Canada in Quebec City, Oct. 28.

DR. MARQUIS, DR. RICHARDSON, DR. RITCHIE, and DR. WIGLE presented a paper at the same meeting entitled "Maladie Aortique et Artérielle Idiopathique".

DR. E. D. WIGLE was an invited discussant on the subject "Vasoregulatory Asthenia" at the International Symposium on Physical Activity in Cardiovascular Health, held in Toronto Oct. 11-13.

PROF. O. V. SIREK spoke in the Department of Physiology of the Research Division, Lankenau Hospital, Philadelphia, on Dec. 7. His subject was: "The Effect of a Single Injection of Growth Hormone on Plasma Glucose and Free Fatty Acids in Normal and Diabetic Dogs".

Applied Science and Engineering

PROF. M. E. CHARLES attended the 16th Canadian Chemical Engineering Conference and presented a paper "Pipeline Processing: Mass Transfer in the Pipeline Flow of Solid-liquid Mixtures".

PROFS. R. L. HUMMEL, J. W. SMITH, and O. TRASS, and R. A. GOWEN attended the 54th Annual Meeting of the A.I.Ch.E. in Detroit, Dec. 5-8, where Mr. Gowen presented a paper "Eddy Diffusion Co-efficients of Water Flowing Turbulently in Pipes". The paper was co-authored by Prof. Smith, R. A. Gowen and Dr. B. O. Wasmund.

PROFS. D. G. ANDREWS and R. L. HUMMEL, accompanied by P. E. TREMBLAY, M. S. BECK, and Z. F. ZADWORSKI, attended the American Nuclear Section Meeting on the Rochester Gas and Electric Company's new reactor at Brookwood, New York, on Nov. 15.

PROF. S. J. G. BIRD attended the 1966 Summer Conference on "Remote Sensing of Environment", as a National Science Foundation Participant, held at the University of Michigan from June 20 to July 1.

PROF. C. HERSHFELD attended the International Conference on Space Structures held at the University of Surrey, Department

of Civil Engineering (formerly Battersea College of Technology), London, England from Sept. 20 to 23.

DR. P. H. JONES was appointed Associate Director of the Great Lakes Institute at the last Board of Governors meeting. This appointment provides for the opening of interdisciplinary doors for graduate instruction and research in the field of water pollution control and sanitary engineering. Dr. Jones was also recently appointed to serve on the Minister of National Health and Welfare Advisory Committee on Public Health Engineering.

DR. G. N. J. KANI attended the convention of the American Concrete Institute in New Orleans, Oct. 24 to 28. Dr. Kani acted as chairman of the afternoon session of the Ontario Concrete Conference on Nov. 17.

PROF. G. R. SLEMON attended the Magnetism and Magnetic Materials Conference in Washington, Nov. 15 to 18, and attended meetings of the Administrative Committee of the Magnetics Group IEEE.

PROF. GEORGE SINCLAIR attended the regular meeting of the IEEE Board of Directors in New York, Nov. 1 to 3. He also attended the annual conference on Engineering in Medicine and Biology held in San Francisco, Nov. 14 to 16, representing the Executive Committee of the IEEE.

PROF. V. G. SMITH attended the anniversary meeting of Common, the organization of the users of small I.B.M. computers, in New Orleans, on Nov. 28 to 30, 1966, where he was a member of a panel discussing the relative merits of time-sharing on a large computer versus an independent small computer. He also attended the executive board meetings.

PROF. ARTHUR PORTER participated in a symposium, "Man and His Environment," sponsored by American-Standard Products (Canada) Limited, held from Nov. 13 to 15. The title of his paper was "Architectural Cybernetics". Dr. Porter addressed the Toronto Chapter of the Special Libraries Association on the topic "The Ubiquity of Information and of Noise" on Nov. 17. He addressed the Intermediate Management seminar held by the Department of Transport at Mont Gabriel, Quebec, on Dec. 6, on "The New Management Skills".

PROF. S. KOTZ visited the Department of Statistics at Yale University on Nov. 8 and 9 in connection with his research project "Compendium of Statistical Distributions".

PROF. B. TABARROK gave a seminar on the "Application of the Complementary

Energy Method to the Analysis of Dynamic Systems" at the Mechanical Engineering Department of McMaster University.

PROF. F. P. J. RIMROTT is chairman of the co-ordinating committee for the forthcoming Canadian Congress of Applied Mechanics. PROF. W. D. BAINES serves as chairman of the papers committee, PROF. F. C. HOOPER heads the subcommittee for papers in heat transfer, while PROFS. L. E. JONES and B. H. KARNOPP are editors of the proceedings. The Canadian Congress of Applied Mechanics 1967, the first to be organized by Canadian mechanicians, is to be held at Laval University, May 22-26, 1967.

PROF. B. RAMASWAMI attended the fall meeting of the Metallurgical Society of the American Institute of Mining, Metallurgical and Petroleum Engineers in Chicago, from Oct. 31 to Nov. 3 and participated in the scientific sessions.

PROF. S. N. FLENGAS presented a paper entitled "Electrochemical Properties of Solid and Liquid Oxide Electrolytes" to the Research Group of the Department of Metallurgy, McMaster University, Nov. 29.

PROF. G. B. CRAIG helped organize and acted as chairman of one session of a seminar on "Modern Analytical Techniques in Metallurgy" held at McMaster University on Nov. 22.

Education

A conference on "Trends in Secondary School Teacher Education" was held by The College of Education at Geneva Park, Lake Couchiching Nov. 7-9. Representatives were present from various educational bodies including the Ontario Institute for Studies in Education, The Ontario School Trustees' Council, the Ontario Teachers' Federation and the Department of Education. The conference was organized by PROF. H. O. BARRETT, assisted by PROF. A. S. NEASE and J. W. GREIG. PROFS. G. A. KIRK, G. E. TAIT, J. M. PATON, W. E. SAGER, DAVID CLEE, D. J. LONG, W. B. MACLEAN, A. F. SKINNER took part in panel discussions. DEAN D. F. DADSON, PROFS. D. L. MUMFORD, W. B. S. TRIMBLE, and J. W. GREIG were seminar leaders.

D. W. ALEXANDER attended the meeting of the National Council of Teachers of Mathematics in Hartford, Conn., on Nov. 11 and 12 and visited Phillips Exeter Academy, Exeter, N.H., on Nov. 12, 13, and 14.

MRS. KATHERINE PACKER has been appointed chairman, Statistics Committee for

Technical Services of the American Library Association, and also a member of the Ontario Library Association Reorganization Committee.

PROF. J. H. PASSMORE delivered an address early in November on "Recent Trends and Developments in Physical Education" at the University of New Brunswick. A second paper was given to the Atlantic Provinces Physical Education Association at St. John, N.B., on "Our Future Horizons".

PROF. J. M. PATON addressed the opening session of a two-day seminar held Nov. 24-26 by the Ontario Teachers' Federation to discuss the Report (1966) of the Minister's Committee on the Training of Elementary School Teachers. On Nov. 25 and 26 he was in Ottawa on the invitation of the Canadian Teachers' Federation as one of its panel of consultants drawn from various parts of Canada and from New City, who are meeting on a number of occasions in 1966-67 to assist the Federation in the second phase of its three-year teacher education projects.

PROF. J. STEVENS spoke on the topic "What's Going on in English", on Dec. 7 to a meeting of teachers from both the secondary and elementary schools of Etobicoke.

PROF. JEAN STIRLING conducted a Folk Dance Workshop for North York, Physical and Health Education Teachers, Nov. 14.

Library Science

PROF. KATHARINE L. BALL attended a Workshop on Teaching the Dewey Decimal Classification held at Columbia University, Dec. 8-10, where she presented a paper on "Problems in Teaching the Characteristic Decimal Classification Features".

PROF. OLGA B. BISHOP was appointed a member of the Canadian Library Association Committee on the Use of Professional Staff.

PROF. GURDIAL S. PANNU attended a meeting of the Ontario Resources and Technical Services Group held at York University on Nov. 12.

Music

PROF. TALIVALDIS KENINS' *Folk Dance, Variations and Fugue* was performed by the Toronto Symphony under the baton of Victor Feldbrill on Dec. 15 in a CBC Trans-Canada broadcast.

PROF. OSKAR MORAWETZ'S *Sinfonietta for Winds and Percussion* which received the Critics' Award at the International Competi-

tion of contemporary music last July in Italy, will be performed under the baton of SEIJI OZAWA with the Toronto Symphony Orchestra Jan. 10 and 11. The world premiere of this composition was conducted by ZUBIN MEHTA and the USA premiere by WALTER SUSSKIND at the Aspen Festival of Music. On Dec. 15 ANTON KUERTI performed Dr. Morawetz's piano concerto with the Winnipeg Symphony. Also in Winnipeg Miss JEANETTE ZAROU included in her recital three of his songs on poetry by Blake which she recorded on disc a few months ago for the International Service of the CBC.

PROF. JOHN WEINZWEIG's piano concerto, commissioned by the CBC, received its premiere on Dec. 15 with PAUL HELMER, pianist, and conductor VICTOR FELDBRILL. Prof. Weinzwieg was elected to the national arts advisory committee at the annual meeting of the Canadian Conference of the Arts in Montreal, Dec. 4.

Pharmacy

PROF. G. C. WALKER was appointed to the Editorial Advisory Board of the Canadian Journal of Pharmaceutical Sciences.

PROF. R. M. BAXTER and PROF. S. I. KANDEL attended the Second Conference on "Multiple Molecular Forms of Enzymes", Dec. 1-3, at the New York Academy of Sciences.

Architecture

PROF. W. G. RAYMORE participated in the conference of the Joint International Committee of the Specifications Institute of the United States and the Specification Writers' Association of Canada as a member of the Canadian delegation. The conference discussed construction practices and educational facilities in this field.

PROF. D. H. LEE has been appointed to the Committee of Examiners of the Ontario Association of Architects.

Visitors to the School during December included PROFESSOR GILBERT HERBERT, University of Adelaide; PROFESSOR CHARLES STIFTER, Harvard University; PROFESSOR SIBYL MOHOLY-NAGY, Pratt Institute; and HUGH HARDY, illumination designer, New York.

DR. MARTIN KRAMPEN lectured to the American Institute of Graphic Design on "Computer Graphics and Communication", and was guest editor and contributor to *Print* November-December, 1966, "The Designer and the Computer".

PROF. GEORGE A. ROBB presided as chairman of the first general assembly of the

National Design Institute, held at the Arts and Letters Club on Nov. 4 and 5. He was elected chairman of the Council of the Institute for the coming year.

Social Work

DR. GERSON DAVID has been named a consultant to the section on "Family Research in Asia" of the International Conference on the Family to be held in New Delhi, India, Dec. 11-17. At the conclusion of the conference, Dr. David will hold an institute on "Family Life Education" in Madurai, South India, on Dec. 20 for a group of leaders delegated by the Indian Evangelical Lutheran Church.

DR. R. E. G. DAVIS was guest speaker at the annual meeting of the Syrian-Canadian Community Association in Montreal on Nov. 6; he also participated in the AUCC National Conference on Manpower Needs in Social Welfare in Ottawa, Nov. 27-30, and presented a paper.

DR. E. S. L. GOVAN attended the annual meeting of the CNIB National Committee on Opportunities for the Blind in Professional and Semi-professional Occupations. She was appointed a member of the Committee on Licensing and Registration of the Ontario Association of Professional Social Workers.

DR. CHARLES E. HENDRY gave testimony before the committee created by the Ontario Department of Health to study treatment programs for emotionally disturbed children. He delivered the keynote address at the National Conference on Public Family Planning Clinics, Nov. 17. On Nov. 18 he attended the board meeting, Association Press, New York City, and on Nov. 30, the board meeting of the National Committee of Canadian Schools of Social Work, in Ottawa. Dr. Hendry participated in the AUCC National Conference on Manpower in Social Welfare, in Ottawa, November 28-30.

PROF. M. KIRKPATRICK was appointed to the Advisory Committee on the Social Welfare Course, Centennial College of Applied Arts and Technology, Scarborough.

Hygiene

DR. DONALD M. McLEAN and DR. JOHN R. BROWN delivered a paper entitled "Field Studies on Virus Dissemination by Water" at the Laboratory Section meeting of the Canadian Public Health Association in Montreal on Dec. 1.

Business

PROF. M. R. HECHT has been given a two-year research grant by the Imperial Tobacco Company of Canada Limited, to study the use of management development methods and programs to facilitate organizational changes.

PROF. M. S. MOYER gave an address on "Trends in Canadian Distribution and their Effects on the Sales Manager" to the Advanced Sales Management Group at the University of Waterloo on Nov. 17.

PROF. J. V. POAPST attended meetings of the sub-committee of the Committee on Education of The Canadian Bankers' Association in Toronto and Montreal in October and November.

PROF. R. E. VOSBURCH spoke to the Insurance Institute of Ontario on Nov. 15, 22, 29 on the topic, "Marketing—A Viewpoint and Its Implications". He also spoke at the Management of the Enterprise program, Dec. 12, on the topic, "The Basis for Looking at Buyer Behavior".

Child Study

DR. MARY L. NORTHWAY addressed the Parents' Association of the Hillcrest Nursery School on Nov. 28 on the topic "Children and Their Contemporaries".

DR. M. F. GRAPKO presented a paper at the Educational Research Council meetings on Dec. 9, on The Construction of the Institute of "Child Study Security Test (Primary Form)".

MRS. MARGARET KIRKPATRICK was visiting lecturer at Centennial College on Dec. 13. Her topic was "Feeding Young Children".

Aerospace Studies

DR. I. I. GLASS visited the USAF Aerospace Research Laboratories, Dayton, Ohio, on November 14 to discuss hypervelocity launchers and impact research. He gave a lecture on "Laboratory Calibration of a Micrometeoroid Impact Gauge". Dr. Glass attended the Fluid Dynamics Divisional Meeting of the American Physical Society at Stanford University, Nov. 21-23, and was chairman of the session on "Shock Reflection, Structure, Various".

DR. G. K. KORBACHER, on invitation, went to Columbia University, on Dec. 1 and 2 for a discussion of his statistical and metallurgical test results with Profs. A. M. Freudenthal and W. A. Wood of the Institute for the Study of Fatigue and Reliability. On Dec. 8, a similar discussion took place on

request before members of the NRC Associate Committee on A/C Structures and Materials.

DR. G. N. PATTERSON has been participating in a study of a Canadian upper atmosphere and space research program as a member of a special committee sponsored by the Science Council of Canada. This committee has interviewed representatives of government departments, universities and industries in various parts of Canada. In particular, briefing sessions were held at Dalhousie University, Nova Scotia Technical College, Laval University, University of Montreal, McGill University, University of Toronto, York University, University of Western Ontario, University of Manitoba, University of Saskatchewan, University of Calgary, University of Alberta, University of British Columbia. Many aerospace industries were visited and discussions were held with most Canadian government departments. A report is in preparation which will form the basis of Canada's future policy in space research. Dr. Patterson also attended a briefing session on Canada's space program at the Defence Research Telecommunications Establishment held for the Science Council on Nov. 28 and attended a meeting of the Council on Nov. 29.

DR. H. S. RIBNER lectured on "Generation and Refraction Effects in Jet Noise" at Cornell University, Nov. 8, University of Michigan, Nov. 15, and to the Allison Division of General Motors, Indianapolis, Nov. 17. He was appointed a member of the Canadian Association of Physicists Physics Survey, Subcommittee on Classical Physics, and attended a meeting of the Subcommittee in Ottawa, Nov. 22. He also attended a meeting of the NRC Associate Committee on Aerodynamics in Ottawa, Nov. 25.

Computer Science

PROF. C. C. GOTLIEB attended a meeting of the Program Committee for IFIP (International Federation for Information Processing) Congress 68, held in Paris on Nov. 11. He also represented Canada at the IFIP General Assembly meeting in Jerusalem, Nov. 15-18, and later visited the International Computation Centre in Rome. On Dec. 12 Prof. Gotlieb lectured on "Data Structures" to the Computer Science Colloquium at the SUNY, Buffalo, and also to the Niagara Chapter of the Association for Computing Machinery.

PROF. J. N. P. HUME addressed a conven-

tion of the Provincial Association of the Protestant Teachers of Quebec in Montreal on "Science and Technology" in a Symposium on "A Positive View of Canada on the Eve of Centennial". He presented a paper to their science section as well on "Science and the Man-Machine Dialogue".

PROF. L. MEZEI delivered an address: "Do Computers Have Artistic Talent?" to the annual meeting of the American Society for Aesthetics, on Oct. 28, in Santa Fe, N.M. with 50 slides of Computer Art as illustrations. He has become a member of the Editorial Board of the new *Journal for Computer Studies in the Humanities and Verbal Behaviour* and also of the new newsletter *Computers and the Humanities*. On Nov. 16 Prof. Mezei addressed a dinner meeting of the Computer Society of Canada, Toronto Section on "Computers, Society and Humour".

Connaught Medical Research Laboratories

DR. R. H. PAINTER gave a paper on "Instability of Immune Serum Globulin Solutions" at the Conference on Plasma Proteins of the Protein Foundation Inc. at Cambridge, Mass., Nov. 22.

DR. S. WILSON spoke on "Antigens in Solubilized *Bordetella pertussis*" at the annual meeting of the Laboratory Section, Canadian Public Health Association, in Montreal, Dec. 2.

Bio-medical Electronics

PROF. N. F. MOODY attended Defence Research Board meetings in Ottawa, on Dec. 12, in his capacity of chairman, Electronic Components Research And Development Committee.

PROF. E. LLEWELLYN THOMAS was an invited speaker at the American Standard Symposium 1966 "Man and His Environment". He reported on Human Factors in Design". Prof. Llewellyn Thomas addressed the Peterborough-Belleville-Kingston Branch of the Institute of Electrical and Electronics Engineers in Peterborough on Nov. 23, and discussed "Human Factors in Engineering".

Criminology

The first Conference of Directors of North American Criminological Research Institutes took place on November 28, 29 and 30, convened and hosted by the Centre of Criminology.

Represented at the inaugural meeting were the Social Science Research Center, Univer-

sity of Puerto Rico; the Institute of Criminal Law & Procedure, Georgetown University Law Center, Washington, D.C.; the Joint Commission on Correctional Manpower and Training, Washington, D.C.; the National Council on Crime and Delinquency, New York; the American Bar Association Project on Minimum Standards for Criminal Justice, Institute of Judicial Administration, New York University Law School; the Institute for the Study of Crime and Delinquency, California; the American Bar Foundation, Chicago; the Center for the Study of Crime, Delinquency & Corrections, Southern Illinois University; the Center for Studies in Criminal Justice, Law School, University of Chicago; the School of Criminal Justice, State University of New York at Albany; the Institute of Criminology, University of Cambridge, England; the Center of Criminological Research, University of Pennsylvania; the Vera Institute of Justice, New York; the Department of Criminology, University of Montreal; and the Centre of Criminology, University of Toronto.

Subjects discussed included the range of current research projects and the value of maintaining closer liaison and of the exchange of information amongst the research institutes of North America, as well as their European and Commonwealth counterparts. The conference decided unanimously to hold annual meetings in the future to facilitate these objectives.

Great Lakes Institute

During the past months DR. A. D. MISENER has attended the following: the Erie Regional Development Council meeting in London on Oct. 5; Canadian Resource Ministers Conference in Montreal, Oct. 29 to Nov. 4 (co-chairman, Guideline Group of Research and Education); U.A.W. Pollution meeting, Nov. 19, London; the Canadian Committee on Oceanography meeting in Ottawa on Dec. 8 the discussion being "University Needs in Oceanography"; Dec. 14-15, the Great Lakes Commission Conference in Indianapolis.

DR. G. B. LANGFORD attended the Canadian Institute of Pollution Control meeting, Oct. 23-25, in Windsor and was present at the retirement dinner for DR. A. E. BERRY who is a consultant with the Great Lakes Institute.

On Nov. 16 DR. G. K. RODGERS attended the Great Lakes Study Group Meeting in Chicago.

Russian and East European Studies

DR. IURII M. SAARMA, Professor of Psychiatry and Legal Medicine and Dean of the Medical Faculty at the Tartu State University in the Estonian Republic, USSR, lectured on the subject "Mental Illness in the USSR and its Treatment" on Nov. 25. Prof. Saarma arrived at the beginning of November to spend two months in Canada (Toronto, London and Montreal) under the auspices of the Centre for Russian and East European Studies Senior Faculty Exchange Program.

Under the same program a lecture was given by PROF. JANGHIR ALI ABASOVICH KERIMOV, Professor of Law, and Head, Department of the Theory and History of State and Law at Leningrad University, and vice-rector of Leningrad University, and recently elected corresponding member of the Academy of Sciences, on the subject: "Recent Developments in Soviet Scholarship and Higher Education, on Dec. 9.

Royal Ontario Museum

MRS. K. B. BRETT spent a week in October doing research in the Gallery of English Costume at Platt Hall, Manchester, in connection with the ROM Centennial Exhibition of Costumes in Canada, opening May 24. The following week Mrs. Brett was at the Victoria and Albert Museum to help edit a forthcoming publication on Indian Chintzes. MRS. BRETT and JOHN IRWIN, the Victoria and Albert's Keeper of the Indian Department, are joint authors.

DR. J. A. MANDARINO attended the annual meetings of the Mineralogical Society of America and the Geological Society of America, held in San Francisco, Nov. 13-16.

ROBERT M. ORGAN discussed "Problems Encountered in the Restoration of Ancient Silver" at the Massachusetts Institute of Technology, Dec. 9.

DR. DAVID M. PENDERGAST, field director of the ROM's archaeological expedition in British Honduras, was in Toronto Nov. 21-25. He presented an extension course lecture on the work at Altun Ha and the same week the Canada Council announced a grant of \$8,300 toward the project, the first given to the Museum for field archaeology.

DR. R. L. PETERSON gave a seminar Dec. 1 on "Bats of Canada and the Tropics" to staff and graduate students of the Univer-

sity of Western Ontario's Department of Zoology.

MRS. ISOBEL RADFORTH left Nov. 24 for the Falkland Islands to study fishes for the ROM and the British Museum. She accompanied her husband, DR. N. W. RADFORTH of McMaster University's Biology Department, who is to study peat and bog areas.

DR. E. S. ROGERS attended the American Anthropological Association Conference in Pittsburgh Nov. 16-20. Then he went to Sioux Lookout for the Ontario Department of Lands and Forests for meetings concerning Indian housing. Nov. 29-Dec. 1, Dr. Rogers sat as a member of the Ontario Department of Public Welfare to select a new director for Indian affairs. He attended an Indian Ethnohistorical Conference in Ottawa Oct. 7-9, sponsored by the National Museum.

DR. L. S. RUSSELL attended annual meetings of the Geological Society of America in San Francisco and the Society of Vertebrate Palaeontology at Berkeley, Calif., Nov. 14-18. At the latter, he presented a résumé of Upper Cretaceous stratigraphy in the Great Plains region.

DR. A. D. TUSHINGHAM lectured at the Archaeological Institute of America chapters in Ashland and Springfield, Ohio, Nov. 13 and 14, on "Current Excavations in Jerusalem". On Nov. 29 he spoke at the Art Gallery of Hamilton on "The Iranian Crown Jewels".

DR. G. B. WIGGINS attended the Entomological Society of America annual meeting in Portland, Ore., Nov. 28-Dec. 1. He presented a paper, "Research on Biological Problems in Aquatic Insects" at one symposium.

Hart House

Warden-emeritus JOSEPH McCULLEY spent the week of Nov. 13 as the special guest of the Memorial Union at the University of Wisconsin. While there, he acted as a consultant on problems of Union organization and programming. On Nov. 24, he addressed the annual meeting of the Toronto

Academy of Dentistry on "Canada—An Outward Look 1967". In March of this year, Mr. McCulley was one of three keynote speakers at the annual conference of the Association of College Unions at New Orleans. Also in that month he was the speaker at the annual meeting of the Student Union Board at the University of Detroit.

The Press

The following have been published by the Press since the last issue of the *Bulletin*:

Poverty in Canada and the United States: Overview and Annotated Bibliography. By Benjamin Schlesinger. \$5.00

The Life and Voyages of Captain George Vancouver. By Bern Anderson. CUP \$2.95

Boating in Canada: Practical Piloting and Seamanship. By Garth Griffiths. \$10.95 until Dec. 31/66, \$12.50 after.

The Town of York 1815-1834: A Further Collection of Documents of Early Toronto. By Edith G. Firth. \$7.95

The Protective Tariff in Canada's Development. By J. H. Dales. CUP \$2.25

Kant's Solution for Verification in Metaphysics. By D. P. Dryer. \$10.00

Proceedings of the Sixth International Conference on Soil Mechanics and Foundation Engineering. Volume 3. \$100.00 per 3-vol. set.

Other Books

The Letters of St. Paulinus of Nola. Volume I. Translation by P. G. Walsh. Longmans Green and Company Ltd.

Images of Man, an anthology of prose. Edited by J. Stevens and Malcolm Ross. Dent and Sons, November, 1966.

Adult Education and Television: a comparative study in three countries. Canada: Lewis Miller; Czechoslovakia: Ctibor Tahy; Japan: Kanji Hatano. Edited and with commentary by Brian Groombridge. Published by the National Institute of Adult Education (England and Wales) in collaboration with UNESCO; London, September, 1966.

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